

AQUACULTURE AND HYDROPOONICS: 1968-1978

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BLA-2, MAY 1979**

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Aquaculture and Hydroponics: 1968-1978

Compiled by
Charles N. Bebee
Automated Retrieval Section
National Agricultural Library

Bibliographies and Literature
of Agriculture, BLA-2, May 1979

U. S. Department of Agriculture
Science and Education Administration
Technical Information Systems
Beltsville, Maryland 20705

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PREFACE

Citations for this bibliography were pulled from the AGRICOLA citation database online. They represent:

- Articles, monographs, and series, regardless of language, indexed at the National Agricultural Library since the publication of the January 1970 issues of the Bibliography of Agriculture and the National Agricultural Library Catalog.
- Literature received more than one year after publication is generally not indexed; exceptions are made for important scientific publications.

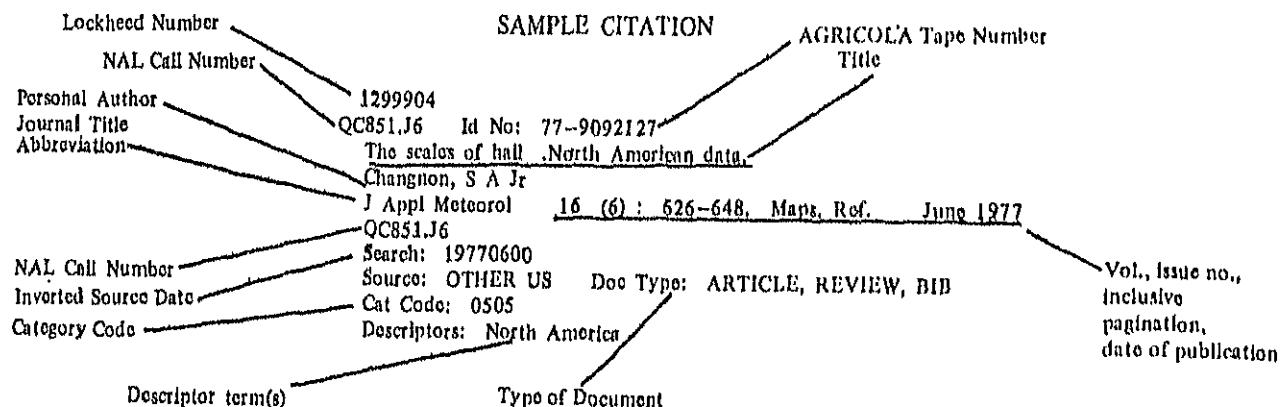
Some duplication of citations occurs because the system requires separate entries for each of the separate files which are incorporated into AGRICOLA. The compiler has attempted purging of known duplicate entries.

The bibliography is a broad subject arrangement by categories as used in The Bibliography of Agriculture; subarrangement is alphabetical by author. A personal author index is included.

User comments and suggestions are welcomed and should be forwarded to the compiler, Charles N. Bebee.

Citations listed on pages 58 - 65 are items from old category codes 1970-1971. These cannot be sorted online and are, therefore, arranged in single alphabetical order.

Richard A. Farley
Deputy Director
Technical Information Systems
Science and Education Administration
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6	256	5/MAJ
7	7	AQUICULTUR?
8	67	SOILLESS
9	324	6+7+8
10	279	9/MAJ
11	353	1+4
12	95	10-11
13	44	WATER (W) CULTURE
14	9	WATER (W) CULTURES
15	8	HYDROCULTURE?
16	467	1+4+7+8+13+14+15
17	233	16/MAJ
18	234	16/MIN
19	2	SOIL (W) LESS
20	468	16+19
21	22496	CC-55?
22	16276	CC=6020
23	20144	CC=6505
24	3443	OC=85
25	5497	OC=30
26	67250	21-25/+
27	50	20<26
28	418	20-27
29	197	28/MAJ
30	0	BEBEE/MORAN

Print 20/2/1-468
 Search Time: 0.389 Prints: 468 Descs.: 20

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

GENERAL AGRICULTURE

1315940 1315940 Id No: 77-910971 Id No: 77-9910971
 77-910971 Id No: 77-9910971
 Aquaculture economics research needs; report from a workshop
 to identify aquaculture economics research needs. Atlanta.
 SH1.F54 Id No: 78-9007852
 The integration of aquaculture with agriculture

Buck, D H
 Fisheries 2 (6): 11-12, 14-16. Nov/Dec 1977
 SH1.F54
 Search: 19771200 Doc Type: ARTICLE
 Source: OTHER US Cat Code: 0505
 Cat Code: 0505

77-910971
 Search: 19771200 Doc Type: ARTICLE
 Source: OTHER US Cat Code: 1005
 Cat Code: 1005
 Descriptors: Research Needs; Aquaculture

691847 691847 Id No: 73-9149678
 L'aquiculture, technique d'avenir; Hydroponics, crop culture
 of the future

Cesar, G
 Rev Hort Suisse 45 (5): 41-42. Feb 1973
 80 P3212 Language: FRE
 Search: 1973C200 Doc Type: ARTICLE
 Cat Code: 0505

1257025 1257025 Id No: 77-9053494
 Tehnicka i ekonomска процена разлици на изгода при
 ribnjacima. 2: Technical and economic estimate of different
 types of aquaculture in fish ponds - Farm management.

Apostolski, K M; Arsovski, B S
 Ekon Poljopr 23 (5): 37-50. Eng. sum. May 1976
 281.8 EK72 Language: SCR
 Search: 19760500 Doc Type: ARTICLE
 Cat Code: 1010
 Descriptors: Yugoslavia

1051876 1051876 Id No: 75-9121107
 L'ultime réserve de l'humanité? Les fermes marines; Maritime
 farms, the ultimate reserve of humanity? - Aquaculture.

Haberkorn, J P
 Inf Agric (Paris) 461: 34-36. Sept 1975
 HD1945.A115 Language: FRE
 Search: 1975D900 Doc Type: ARTICLE
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13300577 13300577 Id No: 77-9117359
 Cost accounting in exploitative aquicultural economies
 .Irrigation economics.

Pinkhasov, M; Polinov, S
 Khlopkovodstvo 8: 38-40. Aug 1976
 72.8 K522 Language: RUS
 Search: 19760800 Doc Type: ARTICLE
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789136 789136 Id No: 73-9227559
 L'aquaculture: Source nouvelle de protéines alimentaires;
 Aquaculture: A new source of food proteins

Rouzaud, P
 Bull Soc Sci Hyg Aliment 61 (1): 18-31. 1973
 389.9 SD1B Language: FRE
 Search: 19730000 Doc Type: ARTICLE

1267631 100 AL1H Id No: 77-9910337 Id No: 77-9910337
Economic comparisons of singled cropped and multiple cropped catfish production systems

Crawford, K W Alabama, Agricultural Experiment Station
Highlights Agric Res 23(3): 6 - Fall 1976

100 AL1H Search: 19760000 Doc Type: ARTICLE
Source: EXP STN Cat Code: 1015
Descriptors: Cost And Returns; Aquaculture; Alabama

1222949 100 A197 Id No: 77-9023B43
Can we afford aquaculture? . Industries.

Conklin, D E Prof Nutr 8 (3): 3-7. Summer 1976

SF95 A197 Search: 19760000 Doc Type: ARTICLE
Source: OTHER US Cat Code: 1030
Descriptors: United States

648578 41.8 AM3 Id No: 72-9122453
Aquaculture and mariculture: protein potentials

Poppensiek, G C Amer Vet Med Assoc J 16: (11): 1467-1475. Ref. Dec 1. 1972

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1315913 281.8 C16 Id No: 77-9910800
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Lerner, A Can J Agric Econ 25(1): 74-79 Feb 1977

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Cat Code: 1015
Descriptors: Fisheries; Hatchery; Equipment; Labor Requirements; Feeding; Costs; Marketing; Consumption

1235744 80 w41 Id No: 77-9035319
Costs and losses of soil and soilless media

Poole, H A Florists Rev 159 (4132): 62, 87-91. Feb 10, 1977

80 w41 Search: 19770210 Doc Type: ARTICLE
Source: OTHER US Cat Code: 1015; 6005

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Critical variables in food-item population dynamics in a wastewater aquaculture system. .Fishery products.

Powers, J E Environ Prot Technol Ser EPA U S Environ Prot Agency 660/2-74-041: 497-503. TD172.E57

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Smith, F J Sea Grant S G Oregon State Univ Mar Adv Program 34, 8 p SH1.A6
SH222.A107 Search: 19730600 Doc Type: ARTICLE
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Descriptors: Taiwan

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Analyzing a new marine business

Smith, F J Oregon State University, Extension Service
Sea Grant Nov 1976 Search: 19761100 Doc Type: ARTICLE
Source: EXT Cat Code: 1015
Descriptors: Marine Industry; Business Management; Costs And Returns; Accounting; Resource Allocation

1287737 S19.A32 Id No: 77-9081696 Role of fresh-water aquaculture in integrated rural development in India Tripathi, S D Agric Agroind J 9 (12): 31-32. Dec 1976 Search: 19761200 Doc Type: ARTICLE Cat Code: 1030 Descriptors: India 41.8 AM3 Id No: 72-9122454 Aquaculture and associated diseases of fish of public health importance Ghittino, P Amer Vet Med Assoc J 161 (11): 1476-1485. Ref. Dec 1.

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871440 12 AGB Id No: 74-9069210 Fish farming or aquaculture can meet future demand for protein-rich food Agric News! Neth 6: 1-4. 1974 12 AGB Search: 19740000 Doc Type: ARTICLE Cat Code: 1030 41.8 AM3 Search: 19721201 Doc Type: ARTICLE Cat Code: 1505

795188 22 IN283 Id No: 74-9004014 Protein Crisis and aquaculture Prasad, R R Indian Farming 23 (6): 5, 38. Sept 1973 22 IN283 Search: 19730900 Doc Type: ARTICLE Cat Code: 1510 Descriptors: India

1181840 SH21.15 Id No: 76-9111663 The International Center for Aquaculture; annual report for fiscal year 1975 - Fisheries for growing protein, developing countries, programs. Alabama Agricultural Experiment Station, International Center for Aquaculture Auburn 63 p. Ref. Dec 23, 1975 SH21.15 Search: 19751223 Doc Type: MONOGRAPH, BIB Cat Code: 1030; 2505 Descriptors: Alabama 1051793 501 L84B Id No: 75-9121024 The aquacultural revolution andshellfish for food. Anderson, J I W Proc R Soc Lond, B Biol Sci 191 (1102): 169-184. Ref. Nov 18, 1975 501 L84B Search: 19751118 Doc Type: ARTICLE Cat Code: 2005

1360151 286.81 F322 Id No: 78-9009342 Soft shell crawfish as an aquaculture food product Huner, J V Feedstuffs 49 (50): 28-29. Dec 5, 1977 286.81 F322 Search: 19771205 Doc Type: ARTICLE, REVIEW Cat Code: 2005

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Large, R V
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Search: 19760500
Source: EXP STN Doc Type: MONOGRAPH
Cat Code: 2005
Descriptors: Alabama

1255158 564904
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Delaware, v.ii. 323 p. : ill. ; 23 cm. -- 1976.
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77007213
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Panel. Includes bibliographies and indexes.
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Cat Code: 2005
Descriptors: Aquaculture; Congresses.; Fishes; Feeding And
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1192637 628960
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Experimental aquaculture of the mussel, (*Mytilus viridis* L.)
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Sivalingam, P M; Rajagopalan, K
Malays Agric Res 4 (2): 137-139. Ref. Aug 1975
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Search: 19750800
Doc Type: ARTICLE
Cat Code: 2005
Descriptors: Malaysia

1224165
SH21.15 Id No: 77-9025072
The International Center for Aquaculture. Annual report for
fiscal year 1974

5544.3.H3H3 Id No: 72-9102691
Nutrition problems in aquaculture. -Aquatic animals.
Bardach, J E
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S544.3.H3H3
Search: 19720700
Source: EXT Doc Type: ARTICLE
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Nutrition problems in aquaculture. -Aquatic animals.
Bardach, J E
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628961 Alabama, Agricultural Experiment Station
High lights Agric Res 23 (3): 10. Fall 1976

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Food as the limit to commercial shrimp aquaculture: A challenge to the feed industry
Cordover, R D
Hawaii Univ Ext Misc Publ 93: 80-83. July 1972
Search: 19720700
Source: EXT Doc Type: ARTICLE
Cat Code: 2035

1228081 Id No: 77-9029023
S441.R26 Id No: 77-9029023
Aquaculture: toward an ecological approach .Fish ponds on farms.
McLarney, W D
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1240473 Id No: 77-9040150
157.8 R29 The role of the feed industry in developing formulated feeds for aquaculture
MacGrath, W S Jr
PB U S Nati Tech Inf Serv 260452: 119-123. 1976
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Search: 19760000
Source: OTHER US Doc Type: ARTICLE
Cat Code: 2035

1286542 Id No: 77-9080497
SH21.15 Id No: 77-9080497
The International Center for Aquaculture. Annual report for fiscal year 1976
Sheil, E W
Alabama, Agricultural Experiment Station; International Center for Aquaculture
Auburn 15 p. Ref. 1976 (pub. 1977)
SH21.15
Search: 19770500
Source: EXP STN Doc Type: MONOGRAP
Cat Code: 2505
Descriptors: Alabama

1282865 Id No: 77-9076795
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Anim Nutr Health 32 (2): 18-19. Mar 1977
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Source: OTHER US Doc Type: ARTICLE
Cat Code: 2035

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1276747 Id No: 77-9072050
105.2 OR3 Produktiviteit van en produktiemogelijkheden in het aquatisch milieu; Productivity of production potential in aquaculture
Huisman, E A
Landbouwktd Tijdschr 88 (7): 238-242. Ref. July 1976
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Language: DUT
Search: 19760700
Doc Type: ARTICLE
Cat Code: 2505

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SH1.U5 Id No: 77-9084614
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Vondruska, J
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123 p. Oct 1976
SH1.U5
Search: 19761000
Source: OTHER US Doc Type: ARTICLE, BIB
Cat Code: 2505

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100 AL1H Reducing uses of energy in aquaculture
McCoy, E W; Boutwell, J L; Jolly, C M

PLANT SCIENCE

SH21.15 Id No: 73-9392935 Book Cat: 73012265
 Annual report
 1st - 1970/71 -
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 Auburn, Ala.. Auburn University 1971-
 SH21.15
 73012265
 Note: Project AID/csd 2780
 Search: 19710000 Doc Type: SERIES
 Source: EXP STN Cat Code: 2505
 Descriptors: Fish-culture

VETERINARY MEDICINE

958405 Id No: 75-9039506
 The challenge of aquaculture for veterinarians
 Miller, W R
 J Am Vet Med Assoc 166 (8): 790-791. Apr 15, 1975
 41-8 AM3
 Search: 19750415 Doc Type: ARTICLE
 Cat Code: 3005

590878
 5590.85 Id No: 72-9064271
 Dispositif sterile pour cultures hydroponiques: Sterile apparatus for hydroponic cultures. -Roots.
 Garcia, J L; Raimbault, M; Mouraret, M
 Soi Biol Int News Bull 14: 34-37. Ref.
 5590.85
 Language: FRE
 Search: 19710000 Doc Type: ARTICLE
 Cat Code: 4005

1276199
 SB320 A4 Id No: 77-9071490
 Utility of hydroponic cutting technique for chromosome number and morphology studies in *Arachis* -Peanuts.
 Simpson, C E; Davis, K S
 J APREA (Am Peanut Res Educ Assoc Inc) 7 (1): 1-3. Sept 1975
 SB320 A4
 Search: 19750900 Source: OTHER US Doc Type: ARTICLE
 Cat Code: 4020

FORESTRY

931786
 99-9 C324 Id No: 75-9014719
 Zkusenost s hydroponickym pestovanim semenacku lesnicki
 drevin: Experience with hydroponic growing of forest tree
 seedlings
 Pospisil, J; Koutnik, V
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 99.9 C334
 Language: CZE
 Search: 19740700 Doc Type: ARTICLE
 Cat Code: 3515

778283
 442-8 N22 Id No: 73-9225444
 Anatomo-morphological features of the roots of cucumbers and
 tomatoes under conditions of hydroponics
 Zelenina, N V
 Nauch Dokl Vyssh Shk. Biol Nauk 7: 73-77. Ref. 1973
 442-8 N22
 Language: RUS
 Search: 19730000 Doc Type: ARTICLE
 Cat Code: 4020

569047
 1.962 C5T71 Id No: 72-9042338
 Soilless container system developed for growing conifer
 seedlings
 White, D P; Schneider, G
 Tree Planters' Notes 23 (1): 1-4. Feb 1972
 1.962 C5T71
 Search: 19720200 Source: USDA Doc Type: ARTICLE
 Cat Code: 3515

1180423
20.5 P872 Id No: 76-9110242
Dziedziczenie systemow korzeniowych jeczmienia. II.
Wskazniki rozmiarow systemu korzeniowego odmian Gryf, Lubuski i Skrzeszowicki, rosnacych w kulturach wodnych; Inheritance of barley root systems. II. Indices of roots dimension of cultivars Gryf, Lubuski and Skrzeszowicki grown in water culture
Krzyszowski, Z; Wojciechowski, J
Pr Poznan Tow Przyj Nauk Roln Lesn Eng. sum. 1976
20.5 P872
Language: POL
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4025; 4035

PLANT PHYSIOLOGY AND BIOCHEMISTRY - GENERAL

693540
24 EA74 Id No: 73-9151458
Observations on the water culture technique for studying the effects of copper concentrations on Arabica coffee seedlings
Aduayi, E A
East Afr Agr Forest J 38 (1): 62-69. Ref. July 1972
24 EA74
Search: 19720700
Doc Type: ARTICLE
Cat Code: 4030

795389
Sa126.5.15 1973 Id No: 74-9004223
Risultati di un quadriennio di sperimentazione sul miglioramento genetico delle piante per la coltura idroponica e prospettive future; Results of a four years experiment on the genetic improvement of plants for hydroponic culture
Panella, A
In: International Congress on Soilless Culture, 3d, Sassari, 1973. Proceedings 3d: 175-185. Eng. sum. 1973
SB126.5.15 1973
Language: ITA
Search: 19730000
Doc Type: ARTICLE
Cat Code: 4025

597456
20 ER4 Id No: 72-9070894
Dynamics of the contents of plastid pigments in several plants grown hydroponically and in soil
Bazhanova, N V; Gevorkian, A G
Akad Nauk Arm Ssr Izv Biol Nauk 24 (2): 112-113. Feb 1971
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Language: RUS
Search: 19710200
Doc Type: ARTICLE
Cat Code: 4030

1213854
QH431.A1S25 Id No: 77-9016256
Využití hydroponie ve sléchteni jarního jecmene: The use of hydroponics in spring barley breeding
Ruzicka, F
Genet Slechteni 11 (3): 255-261. Eng. sum. June 1975
QH431.A1S25
Language: CZE
Search: 19750600
Doc Type: ARTICLE
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993414
275-29 Id131dc NO-259 Id No: 75-99657439
Hydroponic culture of plants
Boe, A A
Moscow 2 p. illus. 1974
275-29 Id131dc NO-259
75008117
Series: Idaho- University Cooperative Extension Service, Idaho current information series, no. 259
Source: EXT Doc Type: MONOGRAPH
Cat Code: 4030

1180422
20.5 P872 Id No: 76-9110241
Dziedziczenie systemow korzeniowych jeczmienia. I. wpływ poziomu potasu i fosforu na wzrost jeczmienia cv.

588345 Id No: 72-9061736
 505 C11 Action de la salinité. de la composition du milieu et du
 prétraitement des semences sur la croissance de *Suaeda*
 maritima var. *flexilis* Focké en cultures sans sol. Comparaison
 avec *Suaeda* maritima var. *macrocarpa* Moq.; The effect of
 salinity, medium composition and seed pre-treatment on the
 growth of *Suaeda* maritima var. *flexilis* Focké in soilless
 culture; comparison with *Suaeda* maritima var. *macrocarpa* Moq.
 Boucaud, J.
 Soc. Linn. Normandie Bull. 101: 135-148. Ref. Eng. sum.
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Language: FRE
 Search: 19710000
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 S542.A1N45 Soilless potting media for controlled-environment facilities
 -Growth of tomato and maize.
 Brook, I. R.
 N Z J Exp Agric 4 (2): 203-208. June 1976
 S542.A1N45 Search: 19760600
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1248855 Id No: 77-9047001
 450 N48 Induction of root nodules on *Coriaria myrtifolia* L. Growing
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 Canizo, A.; Rodriguez-Barriueco, C.
 N Z J Bot 14 (3): 271-274. Sept 1976
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 Doc Type: ARTICLE
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1303747 Id No: 77-9689091
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 L'impiego di un impianto idroponico per determinazioni di evaporazione, transpirazione ed evapotraspirazione; Use of hydroponic installation for the determination of evaporation, transpiration and evapotranspiration. .Sorghum.
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 Language: FRE
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 64.9 C33 Id No: 72-9088018
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 Effect of ethylene and 2,3,5-tri-iodobenzoic acid on soybean seedlings grown in hydroponic culture
 Lira, E P; Freytag, A H
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 Samukawa, K

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Search: 19750200
 Doc Type: ARTICLE, TRANSL
 Cat Code: 4035

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 two-three chlorides at high concentrations of ammonium
 chloride
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 Fiziol Rast (Mosk) 20 (5): 1036-1043. Ref. Eng. sum.
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 450 P696 Id No: 72-9103078
 Estudio de la accion del acido humico sobre la remolacha
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 of humic acid on sugar beet using hydroponic culture
 Sanchez Conde, P; Ortega, B; Perez Brull, I
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 Admission of phosphorus of condensed phosphates into barley
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 Surgucheva, M P; Kaptysnev', IU M
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 1175-1179. (450 F58)

Search: 19711200
 Doc Type: ARTICLE, TRANSL
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 Transport of phosphorus of condensed phosphates into barley
 plants under conditions of water culture
 Surgucheva, M P; Kaptysnev', IU M
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growth of barley in a water culture
Surgucheva, M P; Popazova, A D; Kaptsynei', Iu M; Ziablova,
I N
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Language: RUS
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4035

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SB126.5.15 1973 Id No: 74-9004207
The effects of nutrient interrelationships on tomatoes in
hydroponic culture
Attar, S
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Search: 19730000
Doc Type: ARTICLE
Cat Code: 4040

552123
450 AC89 Id No: 72-9025379
Wpływ intensywności światła i długosci dnia na produkcję
biomasy siewek zboż w uprawie hydroponicznej; Influence of
light intensity and daylength on biomass production by cereal
seedlings in hydroponic culture
Telezyńska, J
Acta Agrobot 24 (1): 87-110. Ref. Eng. sum. 1971
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Language: POL
Search: 19710000
Doc Type: ARTICLE
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732542
SB126.5.A8 Id No: 73-9388401 Book Cat: 73010251
The effects of nutrient interrelationships on tomatoes in
hydroponic culture
Attar, Subhi R
Kuwait, Dept. of Agriculture
Kuwait, Dept. of Agriculture 134 1. illus. 1972
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Note: Bibliography: leaves 126-131
Search: 19720000
Doc Type: MONOGRAPH
Cat Code: 4040
Descriptors: Hydroponics; Tomato Breeding

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450 P696 Id No: 72-9113414
Effect of iron compounds on nodulation and growth of
Trifolium pratense L. in water culture. Red clover.
Van de Venter, H A; Small, J G C
Plant Soil 37 (2): 309-317. Ref. Oct 1972
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Search: 19721000
Doc Type: ARTICLE
Cat Code: 4035

649050
20 AK1 Id No: 72-9122929
Effect of nutrient solutions on content of dry matter and
vitamin C in tomatoes in hydroponic cultures
Baginskas, B P; Geguzinis, S S
Vses Akad Sel'skhoz Nauk V I Lenin Dokl 7: 15-16.
July 1972
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Language: RUS
Search: 19720700
Doc Type: ARTICLE
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1237962
64.8 CBB83 Id No: 77-9037585
Nodulation of soybeans grown hydroponically on urea
Vigue, J T; Harper, J E; Hageman, R H; Peters, D B
Crop Sci 17 (1): 169-172. Ref.
Jan/Feb 1977
64.8 CBB83
Search: 19770200
Source: USDA Doc Type: ARTICLE
Cat Code: 4035

1971 385 AG84 Language: ITA
 Search: 19710B00
 Doc Type: ARTICLE
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1123947 20 AK1 Id No: 76-9059759
 Cracking of tomato fruit in hydroponic greenhouses -Effect
 of the chemical composition of nutrient solutions.
 Baginskas, B P; Geguzhis, S S
 Dokl Vses Akad S-kh Nauk 1: 12-13. Jan 1976
 20 AK1
 Language: RUS
 Search: 19760100
 Doc Type: ARTICLE
 Cat Code: 4040

963611 385 K524 Id No: 75-9043302
 The absorption of nutrient elements by tomato plants under
 hydroponic conditions
 Baginskas, V P; Geguzhis, S S
 Khim Sel'sk Khoz 12 (12): 18-20. 1974
 385 K524
 Language: RUS
 Search: 19740000
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 Search: 19740100
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 Cat Code: 4055

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 Dwoce Warz Kwiaty 14 (11): 5-7. June 1/15. 1975
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 Note: Translation of Hydrokultur und Torfkultur
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 Cat Code: 4055
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 Search: 19730000
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 Cat Code: 4055

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Search: 197705000
Source: OTHER US Doc Type: ARTICLE

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Descriptors: Hydroponics

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Language: GER
Search: 19710000
Doc Type: MONOGRAPH
Cat Code: 4055
Descriptors: Container Gardening; Hydroponics

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hydroculture
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Doc Type: MONOGRAPH
Cat Code: 4055
Descriptors: Container Gardening; Hydroponics

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SB126.5.S49 1972 Id No: 73-9505185 Book Cat: 73006039
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James Sholto Douglas
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Cat Code: 4055
Descriptors: Hydroponics

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greenhouse cucumbers grown in soil and in soilless culture
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Language: RUS
Search: 19730000
Doc Type: ARTICLE
Cat Code: 4055

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Tube-o-ponic-growing plants in upright tubes .Hydroponics,
tomatoes.
Spector, T
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Language: HEB
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Experimental hydroponic germination and growth of turfgrass
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culture.
Suruzhiu, V T
Sadov Vinogradarstvo Vinodelie Moldavii 3: 52-54. Mar

Language: JAP
Search: 19730300
Doc Type: ARTICLE
Cat Code: 4055

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Doc Type: ARTICLE
Cat Code: 4055
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22.5 K993 Id No: 75-9029505
Studies on production of vegetable crops by hydroponics.
VIII. Seasonal changes in nutrients concentrations in culture
solution growing tomatoes as affected by solution renewal
method
Takashima, S; Nishi, S; Kuroda, K; Tanaka, N
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Cat Code: 4055

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Doc Type: ARTICLE
Cat Code: 4055
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growth of tomato seedlings
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Language: JPN
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Doc Type: ARTICLE
Cat Code: 4055; 4040

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Doc Type: ARTICLE
Cat Code: 4055
Descriptors: France

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cucumbers.
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Search: 19730300
Doc Type: ARTICLE
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Descriptors: France

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80 Hydroponic culture of grape transplants
Search: 19760527
Todorov, I Doc Type: ARTICLE
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Language: RUS
Search: 19750500
Doc Type: ARTICLE
Cat Code: 4055

555307 75.8 P842 Id No: 72-9028580
A method for growing potatoes by combining water culture and
pot culture techniques
Ulrich A; Ohki, K; Fong, K H
Amer Potato J 49 (1): 35-39. Jan 1972
75.8 P842
Search: 19720100
Doc Type: ARTICLE
Cat Code: 4055

134771 80 SA15 Id No: 77-9133496
Concentration of the nutrient solution for hydroponic
cultivation of grapevine nursery plants
Trakhtaman, I M
Sadovod Vinodel Mold 11: 54-55. Nov 1976
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Language: RUS
Search: 19761100
Doc Type: ARTICLE
Cat Code: 4055

981564 80 J825 Id No: 75-9060432
A method of growing young fruiting apple trees in water
culture
Van Lune, P; Van Goor, B J
J. Hortic. Sci. 50 (2): 129-133. Ref. Apr 1975
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Search: 19750400
Doc Type: ARTICLE
Cat Code: 4055

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Techniques on soilless culture of edible mushrooms
Tu, P
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Language: CHI
Search: 19730401
Doc Type: ARTICLE
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plants.
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Search: 19730000
Doc Type: ARTICLE
Cat Code: 4055

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Tu, P
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Language: CHI
Search: 19730416
Doc Type: ARTICLE
Cat Code: 4055

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An end to all soil problems? •Hydroponics, glasshouse crops.

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11187105 B4.H6 Id No: 76-9115389
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Hydroponics, cucumbers.
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Search: 19760900
Doc Type: ARTICLE
Cat Code: 4055
Descriptors: Great Britain

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Language: SPA
Search: 19760700
Doc Type: ARTICLE
Cat Code: 4055

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tomatoes. Great Britain.
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Search: 19760900
Doc Type: ARTICLE
Cat Code: 4055
Descriptors: Great Britain

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Search: 19760900
Source: USDA Doc Type: ARTICLE
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897869 8 T445 Id No: 74-9092007
Hidroponia: cultivo de plantas sin tierra; Hydroponics:
cultivation of plants without earth. .Vegetables.

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Language: SPA
Search: 19740800
Doc Type: ARTICLE
Cat Code: 4055

1153036 B0 G1938 Id No: 76-9084967
Viil vasskultur sia gjennom i tomat-og agurkproduksjonen?:
Will hydroponics take over completely in the cultivation of
tomatoes and cucumbers?
Gartneryrket 15 (66): 318-319. Apr 9. 1976

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Language: NOR
Search: 19760409
Doc Type: ARTICLE
Cat Code: 4055

952110 B3 T445 Id No: 75-9032965
Hidroponia: como deben iniciarse los cultivos; Hydroponics:
how to start the culture .Vegetables.
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Language: SPA
Search: 19741000
Doc Type: ARTICLE
Cat Code: 4055

532197 241 C734A Id No: 72-9005390
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Search: 19710900
Doc Type: ARTICLE
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Search: 19690000
Doc Type: MONOGRAPH
Cat Code: 4060
Descriptors: Hydroponics

547547
SH1.W33 Id No: 73-9197179
Algal culture as aquaculture feed
Taub, F B; Palmer, F E; Condray, R E; Kern, R B; Ballard, K
A: Kalamasz, D F
Res Fish 375: 78-79. Mar 1973
SH1.W33
Search: 19730300
Doc Type: ARTICLE
Cat Code: 4060

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SH1.W33 Id No: 73-9197179
Algal culture as aquaculture feed
Taub, F B; Palmer, F E; Condray, R E; Kern, R B; Ballard, K
A: Kalamasz, D F
Res Fish 375: 78-79. Mar 1973
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Doc Type: ARTICLE
Cat Code: 4060

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6 P9452 Id No: 72-9020796
Damping-off of tomato seedlings in commercial hydroponic culture. *Pythium aphanidermatum*.
Stanghellini, M E; Russell, J D
Progr Agr Ariz 23 (5): 15-16 Oct 1971
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PLANT DISEASES, INSECT PESTS, AND CONTROL

1266159
450 C16 Id No: 77-9062716
The severity of root rot and persistence of *Pythium* splendens in geranium cuttings grown in soilless mixtures
Bolton, A T
Can J Plant Sci 57 (1): 87-92. Ref. Jan 1977
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Doc Type: ARTICLE
Cat Code: 4505

1333553
106.2 P872 Id No: 77-9120854
Przydatnosc Benlate dla zwalczania zgnilizny korzeni fasoli uprawianej w kulturach wodnych; Effectiveness of bean root control in water culture when using Benlate .Benomyl.
Borys, M W
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Language: POL
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4505

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SB327.B4 1973 Id No: 74-9081644
Testing *Phaseolus vulgaris* seedlings for reaction to *Fusarium solani* f. sp. *phaseoli* using a hydroponic culture technique. .Beans.
Bliss, F A; Boomstra, A G
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Search: 19730000
Doc Type: ARTICLE
Cat Code: 4505

668518
450 F58AE Id No: 73-9125369
Causes of growth inhibition in plants bacterized by a root microflora in continuous water cultures. .Corn.
Rempe, E Kh
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Note: Translated from *Fiziologia Rastenii* 19 (2): 412-418.
(450 F58)
Search: 19720400
Doc Type: ARTICLE. TRANSL
Cat Code: 4510

509960

914006 Id No: 74-9111271
20 AK1 Blossom end rot in tomatoes in hydroponic greenhouses
Boginskas, B P; Geguznis, S S
Dokl Vses Akad S-kh Nauk 8: 15-16. Ref. Aug 1974
20 AK1 Language: RUS
Search: 19740800
Doc Type: ARTICLE
Cat Code: 4520

22.5 N682 Id No: 75-9020619
Ecology and control of major plant diseases under hydroponic culture of vegetables
Nagae, S
Agric Hortic 49 (11): 54-58. Nov 1974
22.5 N682 Language: JPN
Search: 19741100
Doc Type: ARTICLE
Cat Code: 4520

1025284
450 P696 Id No: 75-9100493
High humidity overcomes lethal levels of salinity in hydroponically grown salt-sensitive kidney bean plants
O'Leary, J W
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450 P696 Search: 19750600
Doc Type: ARTICLE
Cat Code: 4520; 4040

1146939
5590-C63 Id No: 76-9080237
Connection of iron deficiency in tomatoes grown hydroponically in sewage water
Patel, P M; Wallace, A
Commun Soil Sci Plant Anal 7 (1): 61-64. 1976
5590-C63 Search: 19760000
Doc Type: ARTICLE
Cat Code: 4520

702869
470 C16C Id No: 73-9161457
Zinc toxicity in hydroponic culture. Kidney beans, corn, soybeans.
Rauser, W E
Can J Bot 51 (2): 301-304. Ref. Feb 1973
470 C16C Search: 19730200
Doc Type: ARTICLE
Cat Code: 4520

1357436
21.5 Z13 Id No: 78-9006616
Hydroponic kao zivotna sredina nematoda; Nematodes living in the hydroponic medium
Krnjaic, D; Krnjaic, S
Poljopr Znan Smotra 39: 597-601. Eng. sum. 1976
21.5 Z13 Language: SCR
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4520

Cat Code: 4560

900213 SB354.182 Id No: 74-9094488 Prove preliminari di sopravvivenza di Xiphinema index Thorne e Allen. 1950 su vite allevata in coltura idroponica; Preliminary trials on the survival of Xiphinema index Thorne and Allen, 1950 on grapevine crown in hydroponic culture. .Nematodes. Ricciardi, P; Scognamiglio, A; Talamo, M. Ann Ist Sper Fruttic (Rome) 4: 145-157. Ref. Eng. sum. 1973

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1050986 QH540.J6 Id No: 75-9120181 Uptake of cadmium--its toxicity, and effect on the iron nutrition in hydroponically grown corn 'Maize'. Root, R A; Miller, R J; Koeppe, D E. J Environ Qual 4 (4): 473-476. Ref. Oct/Dec 1975

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 Descriptors: Greenhouse; Heat Recovery; Energy;
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Allen, G H; Dennis, L
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 Source: OTHER US Doc Type: MONOGRAPH
 Cat Code: 6505
 Descriptors: Aquaculture.; Sewage Disposal Plants; Costs.; Cost Effectiveness.

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 Series: Water pollution control research series, 16080 10/69
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Source: OTHER US Doc Type: ARTICLE
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Search: 19760000
Source: OTHER US Doc Type: MONOGRAPH
Cat Code: 6505; 7005
Descriptors: Mariculture; Law And Legislation; United
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New York : Dodd, Mead, 96 p. : ill. ; 24 cm. .1975.
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Descriptors: Aquaculture; Congresses.; Sewage As Fertilizer; Congresses.; Thermal Pollution Of Rivers. Etc.; Congresses.

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Descriptors: Aquaculture; New England.; Aquatic Biology; New England.

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